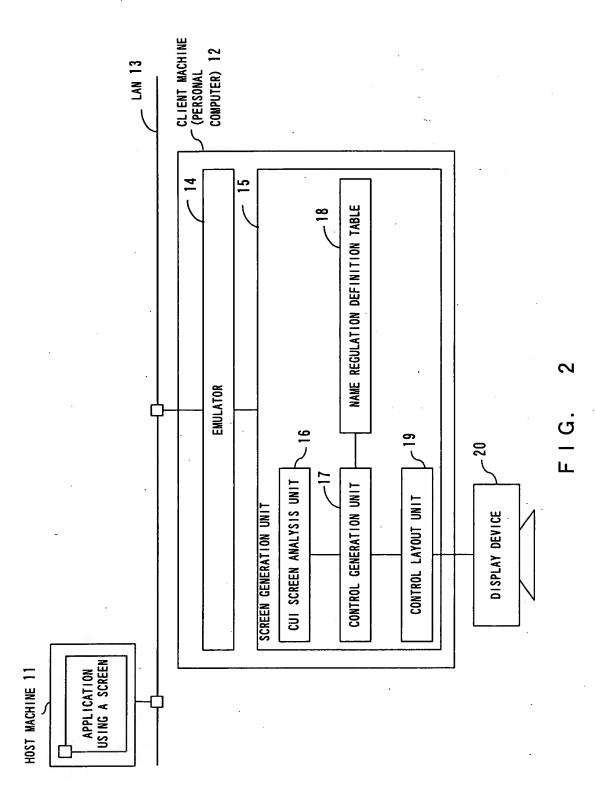
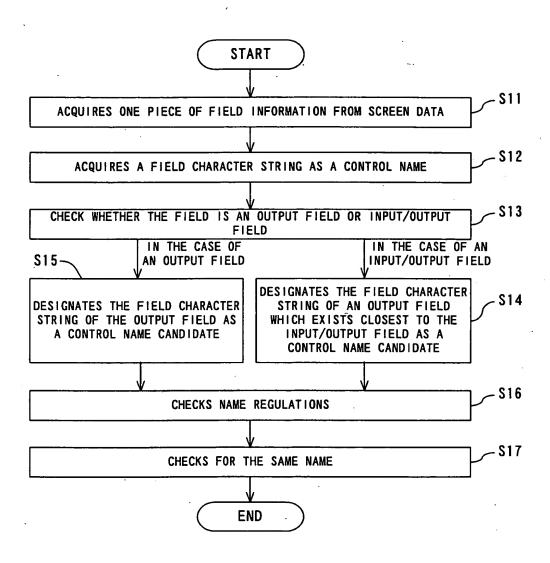
SCREEN DATA

OF CUI SCREEN

1

2





F | G. 3

STRUCTURE OF SCREEN DATA

FIELD	FIELD	FIELD
INFORMATION 1	INFORMATION 2	INFORMATION n

ť

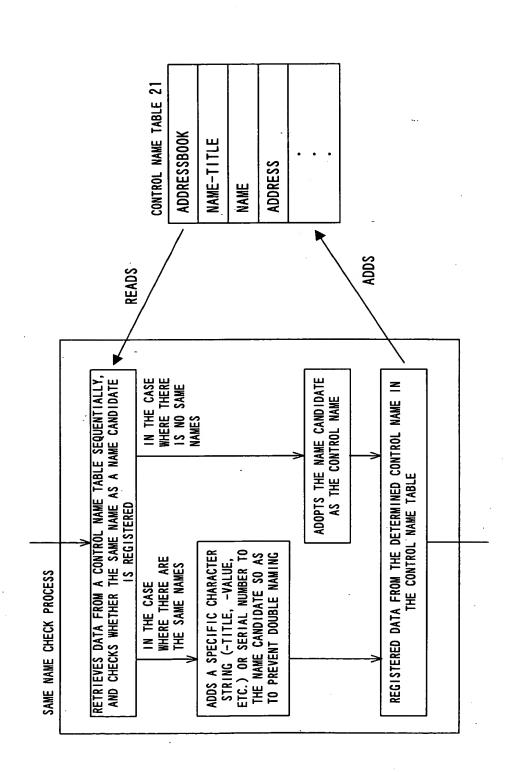
STRUCTURE OF FIELD INFORMATION

FIELD ATTRIBUTE FIELD CHARACTER STRING

FIG. 4

ENGLISH OR NUMERAL ENGLISH, NUMERAL OR HYPHEN ENGLISH ONLY 18 NAME REGULATION DEFINITION TABLE თ . တ m 2 N 201 201 ABC ABC ABC LEADING CHARACTER MIDDLE CHARACTER [LAST CHARACTER (2)CHECKS A MIDDLE CHARACTER (3)CHECKS THE LAST CHARACTER NAME ACQUIRED FROM A FIELD CHARACTER STRING (1) CHECKS A LEADING CHARACTER **B**00K ADDRESS

F16.5



F | G. 6



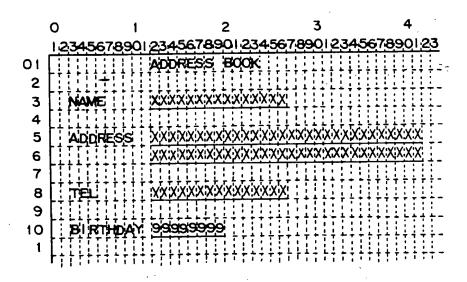


FIG. 7

SCREEN LAYOUT (GUI)

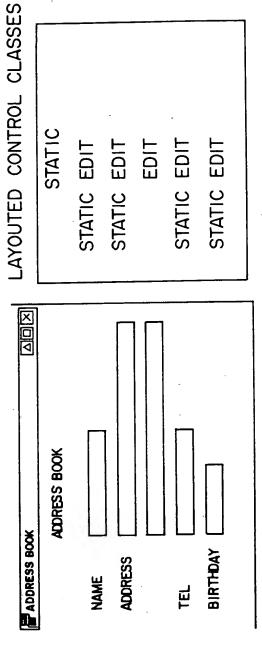


FIG. 8A

F1G. 8B

HOST

APPLICATION SCREEN

DISPLAY

INSTRUC-TION

DISPLAY EMULATOR 14 CUI SCREEN DATA GUI SCREEN GENERATION UNIT 15 SCREEN DATA ACQUISITION UNIT 31 FETCHES THE SCREEN DATA OF A DISPLAY EMULATOR FIELD INFORMATION READ UNIT 32 READS FIELD INFORMATION IN THE SCREEN DATA SEQUENTIALLY AND EXITS THE LOOP WHEN THERE IS NO FIELD INFORMATION TO BE TO GUI SCREEN READ CONTROL GENERATION UNIT 17 NAME DETERMINATION UNIT 33 DETERMINES THE CONTROL NAME BASED ON A FIELD CHARACTER STRING IN THE FIELD INFORMATION CLASS DETERMINATION UNIT 34 DETERMINES THE CONTROL CLASS BASED ON A FIELD ATTRIBUTE IN THE FIELD INFORMATION (FIELD STATE) POSITION DETERMINATION UNIT 35 CALCULATES THE LINE AND COLUMN POSITIONS BASED ON THE FIELD ATTRIBUTE IN THE FIELD INFORMATION (FIELD LENGTH) AND CONVERTS THE POSITIONS INTO COORDINATE POSITIONS ON THE GUI SCREEN LAYOUT UNIT 36 LAYS OUT A CONTROL ON A GUI SCREEN ACTUALLY ACCORDING TO THE INFORMATION FOR THE NAME DETERMINATION UNIT, CLASS

GENERATION **TERMINATING**

PROCESS

DETERMINATION UNIT AND POSITION DETERMINATION UNIT

																			Ì			
	FIELD CHARACTER STRING				ļ				-		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX									:
	IELD CHA		B00K				XXXXXXXXXXXX]	XXXXXXX		XXXXXXX				XXXXXXXXXXXX				6	
	<u>u.</u>		ADDRESS BOOK		NAME	<u> </u>	XXXXXX		ADDRESS		XXXXXX		XXXXXX		TEL	,	XXXXXX	:	BIRTHDAY		66666666	
	BACKGROUND COLOR	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
t	COLOR OF CHARACTER	GREEN	YELLOW	GREEN	GREEN	GREEN	WHITE	GREEN	GREEN	GREEN	WHITE	GREEN	WHITE	GREEN	GREEN	GREEN	WHITE	GREEN	GREEN	GREEN	WHITE	GREEN
FIELD ATTRIBUTE	TYPES	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	ENGLISH OR DIGITS	STIDIO	ENGLISH OR DIGITS
	FIELD Length	11	12	139	4	5	15	136	7	2	30	50	30	121	4	5	15	136	8	1	8	143
	FIELD STATE	OUTPUT	OUTPUT	OUTPUT	0UTPUT	OUTPUT	INPUT/OUTPUT	OUTPUT	OUTPUT	OUTPUT	INPUT/OUTPUT	OUTPUT 0	INPUT/OUTPUT	OUTPUT .	OUTPUT 0	OUTPUT 0	INPUT/OUTPUT	0UTPUT	OUTPUT 0	OUTPUT 0	INPUT/OUTPUT	OUTPUT
		FIELD INFORMATION 1	INFORMATION 2	INFORMATION 3	INFORMATION 4	INFORMATION 5	INFORMATION 6	INFORMATION 7	INFORMATION 8	INFORMATION 9	NEORMATION 10	NEORMATION 11	NINFORMATION 12	NFORMATION 13	NEORMATION 14	INFORMATION 15	NINFORMATION 16	INFORMATION 17	INFORMATION 18	NEORMATION 19	NEORMATION 20	INFORMATION 21
		FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD	FIELD

F G. 1 C

FIELD INFORMATION 2 4 FIELD INFORMATION FIELD INFORMATION 6 8 FIELD INFORMATION FIELD INFORMATION 10 FIELD INFORMATION 12 14 FIELD INFORMATION 16 FIELD INFORMATION FIELD INFORMATION 18 20 FIELD INFORMATION

CLASS	NAME
STATIC	ADDRESSBOOK
STATIC	NAME-TITLE
EDIT	NAME
STATIC	ADDRESS-TITLE
EDIT	ADDRESS1
EDIT	ADDRESS2
STATIC	TEL-TITLE
EDIT	TEL
STATIC	BIRTHDAY-TITLE
EDIT	BIRTHDAY

FIG. 11

G. 12

FILE (F) E	FILE(F) EDIT(E) DISPLAY(V)
	ADDRESS BOOK
NAME	xxxxxxxxxxxxxx
ADDRESS	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
TEL	xxxxxxxxxxxx
BIRTHDAY	66666666

F1G. 13

FILE(F) EDIT(E) COMMUNICATION RECORD (C)	IICATIC	ON RECORD (C)						
HIERARCHY DETAIL SOURCE		TITLE	COMMUNICATION	ATTRIBUTE	LINE	COLUMN	ITEM LENGTH	INPUT / OUTPUT
T ADDRESS BOOK	-	ITEM 1			-	2	6	OUTPUT
(-) ADDRESS BOOK scp	2	ADDRESS BOOK			_	12	12	OUTPUT
	м	ITEM 3			-	25	137	OUTPUT
	4	NAME-TITLE			33	ю	4	OUTPUT
	က	ITEM 5	-		ю	8	ю	OUTPUT
	ဖ	NAME	>	>	3	12.	5	INPUT / OUTPUT
	7	ITEM 7			3	28	134	OUTPUT
	ω	ADDRESS-TITLE			2	23	7	OUTPUT
	6	ADDRESS 1	>	>	5	12	30	INPUT / OUTPUT
	-0	ITEM 10			5	43	48	OUTPUT
	=	'ADDRESS 2	>	>	9	12	30	INPUT / OUTPUT
	12	ITEM 12			9	43	119	OUTPUT

FIG. 14

FILE(F) EDIT(E) //CO	COMMUN	UNICATION	JNICATION RECORD(C)						
HIERARCHY DETAIL SOURCE			TITLE	COMMUNICATION TARGET	ATTRIBUTE	LINE	COLUMN	ITEM LENGTH	INPUT / OUTPUT
ADDRESS BOOK			ITEM 1			-	2	6	OUTPUT
F-(-) AUDRESS BOOK scp.			ADDRESS BOOK			+	12	12	OUTPUT
11			ITEM 3			-	52	137	OUTPUT
VZZZ.	SCREEN	EEN ///	NAME-TITLE			ю	3	4	OUTPUT
			ITEM 5	-		ю	8	ю	OUTPUT
		9	NAME	>	>	ъ	12	15	INPUT / OUTPUT
		7	ITEM 7			ъ	28	134	OUTPUT
		8	ADDRESS-TITLE		_	5	3	2	OUTPUT
		6	ADDRESS 1	>	>	5	12	30	INPUT / OUTPUT
		10	ITEM 10			5	43	48	OUTPUT
		=	ADDRESS 2	>	>	9	12	30	INPUT / OUTPUT
		12	ITEM 12			9	43	119	OUTPUT

F16. 15

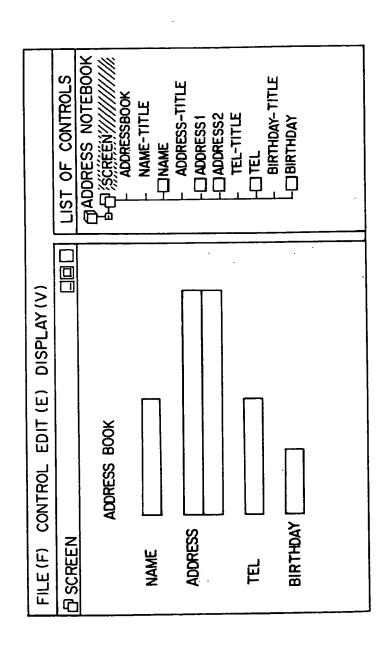


FIG. 16

